

Figure 1

HuCardiac (does not include first 32 aa)

phakkkskis asrklqlkltl llqiaqkel ereaeerrge kgralstrcq plelaglgfae

SEQ ID NO:

1

FAST

mgdeekrnra	itarrqhlks	vmlqiaatel	ekeegrreae	kqnylaehcp	plslpgsmae	61	rab	2
mgdeekrnra	itarrqhlks	vmlqiaatel	ekeesrrese	kqnylsehcp	plhipgsmse	61	rat	3
mgdeekrnra	itarrqhlks	vmlqiaatel	ekeesrrese	kenylsehcp	plhipgsmse	61	mouse	4
mgdeekrnra	itarrqhlks	vmlqiaatel	ekeesrreae	kqnylaehcp	plhipgsmse	61	human	5
mgdeekrnra	itarrqhlks	imlqiaatel	ekeegrreae	kqnylsghcp	plhlpgsmse	61	goat	6
msdeekkrre	atarrqhlks	amlqlavtei	ekeaaakeve	kqnylaehcp	plslpgsmqe	61	chick	7
msdeekkrre	atarrqhlks	amlqlavtei	ekeaaakeve	kqnylaehcp	plslpgsmqe	61	quail	8

SLOW

mpeverkski	tasrklmlks	lmlakakecw	egeheereae	kvrylserip	tlqtrglsls	61	mouse	9
mpeverkski	tasrklmlks	lmlakakecw	egeheereae	kvrylserip	tlqtrglsls	61	rat	10
mpeverkpki	tasrklmlks	lmlakakecw	egeheereae	kvrylaerip	tlqtrglsls	61	human	11
ppeverkski	tasrklmlks	lmlakakecw	qeheereae	kvrylaerip	alqtrglsls	61	rab	12
mpeverkpki	tasrklmlks	lmlarakecw	dqeleeereae	kkrylaervp	slqtrglsls	61	goat	13
mpeverkski	tasrklmlks	lmlakakecw	egeivdkqse	kerylserit	plhtsglsls	61	quail	14

TnC interaction

HuCardiac

lqdlcrqlha rvdkvdeery dieakvtkni teiadltqki fdlrgkfkrp tlrrvrissad

1

FAST

vqelckqlha	kidaaeeky	dmeikvqkss	keledmngkl	fdlrgkfkrp	plrrvrmsad	121	rab	2
vqelckqlha	kidaaeeky	dmeikvqkss	keledmngkl	fdlrgkfkrp	plrrvrmsad	121	rat	3
vqelckqlha	kidaaeeky	dmeikvqkss	keledmngkl	fdlrgkfkrp	plrrvrmsad	121	mouse	4
vqelckqlha	kidaaeeky	dmeikvqkss	keledmngkl	fdlrgkfkrp	plrrvrmsad	121	human	5
vqelcgqlha	kidaaeeky	dmeikvqksa	keledmngkl				goat	6
lqelckklha	kidsvdeery	dtevlqlktn	keledlsqkl	fdlrgkfkrp	plrrvrmsad	121	chick	7
lqelckklha	kidsvdeery	dtevlqlktn	keledlsqkl	fdlrgkfkrp	plrrvrmsad	121	quail	8

SLOW

alqdlcrelh	akvevydeer	ydieakclhn	treikdlklk	vldlrgkfkr	pplrrrvsva	121	mouse	9
alqdlcrelh	akvevydeer	ydieakclhn	treikdlklk	vldlrgkfkr	pplrrrvsva	121	rat	10
alqdlcrelh	akvevydeer	ydieakclhn	treikdlklk	vmdlrgkfkr	pplrrrvsva	121	human	11
alqdlcrqlh	akvevydeer	ydieakclhn	treikdlklk	vldlrgkfkr	pplrrrvsva	121	rab	12
alqdlcrdlh	akvevydeer	ydieakclhn	treikdlklk	vldlrgkf			goat	13
qlqdlcrelh	ekvevtdeer	ydieakcnhn	treikdlklk	vldlrgkfkr	pplrrrvsva	121	quail	14

TnC, Actin (inhibitory peptide 1)

Figure 1 Cont.

HuCardiac

ammqallg arakesldlrah lkqvkkedte kenrev gd wrknidalsg megrkkkfes

SEQ ID NO:
1

FAST

amlkallgsk	hkv c mdlran	lkqvkkedte	kerdlrdvgd	wrknieeksg	megrkkmfes	181	<u>es</u>	rab	2
amlkallgsk	hkv c mdlran	lkqvkkedte	kerdlrdvgd	wrknieeksg	megrkkmfes	181	<u>es</u>	rat	3
amlkallgsk	hkv c mdlran	lkqvkkedte	kerdlrdvgd	wrknieeksg	megrkkmfes	181	<u>es</u>	mou	4
amlkallgsk	hkv c mdlran	lkqvkkedte	kerdlrdvgd	wrknieeksg	megrkkmfes	181	<u>es</u>	hum	5
								goat	6
amlrallgsk	hkvnm d lran	lkqvkkedte	kekdlrdvgd	wrknieeksg	megrkkmfea	181	ges	chk	7
amlrallgsk	hkvnm d lran	lkqvkkedte	kekdlrdvgd	wrknieeksg	megrkkmfea	181	ges	qua	8

SLOW

damlrallgs	khkvsmldra	nlksvkkedt	ekerpvevgd	wrknveamsg	megrkkmfda	181	aksptsq	mo	9
damlrallgs	khkvsmldra	nlksvkkedt	ekerpvevgd	wrknveamsg	megrkkmfda	181	aksptlq	rat	10
damlrallgs	rhkvsmldra	nlksvkkedt	ekerpvevgd	wrknveamsg	megrkkmfda	181	aksptsq	hu	11
damlrallgs	khkvsmldra	nlksvkkedt	ekerpvevgd	wrknveamsg	megrkkmfda	181	aksptsq	rab	12
								goat	13
damlrallgs	khkvsmldra	nlksvkkedt	ekerpvevgd	wrknveamsg	megrkkmfda	181	aksptg	quail	14

(inhibitory peptide 2)